

APPARATUS AND METHOD FOR ALIGNING MICROARRAY PRINTING HEAD

Abstract of Disclosure

An alignment apparatus and method are described for accurately and reliably depositing biological materials on a microscope slide or other substrate. A preferred implementation includes a first mounting assembly that enables rotation of deposit elements around a first axis perpendicular to the substrate surface using one or more bearing surfaces concentric with the first axis. A second mounting assembly enables rotation of the deposit elements around a second axis parallel to the depositing surface, and a third mounting assembly enables rotation of the deposit elements around a third axis that is parallel to the depositing surface and perpendicular to the second axis. Various types of deposit elements may be used, such as pins, quills, or jetting elements.

[illegible]